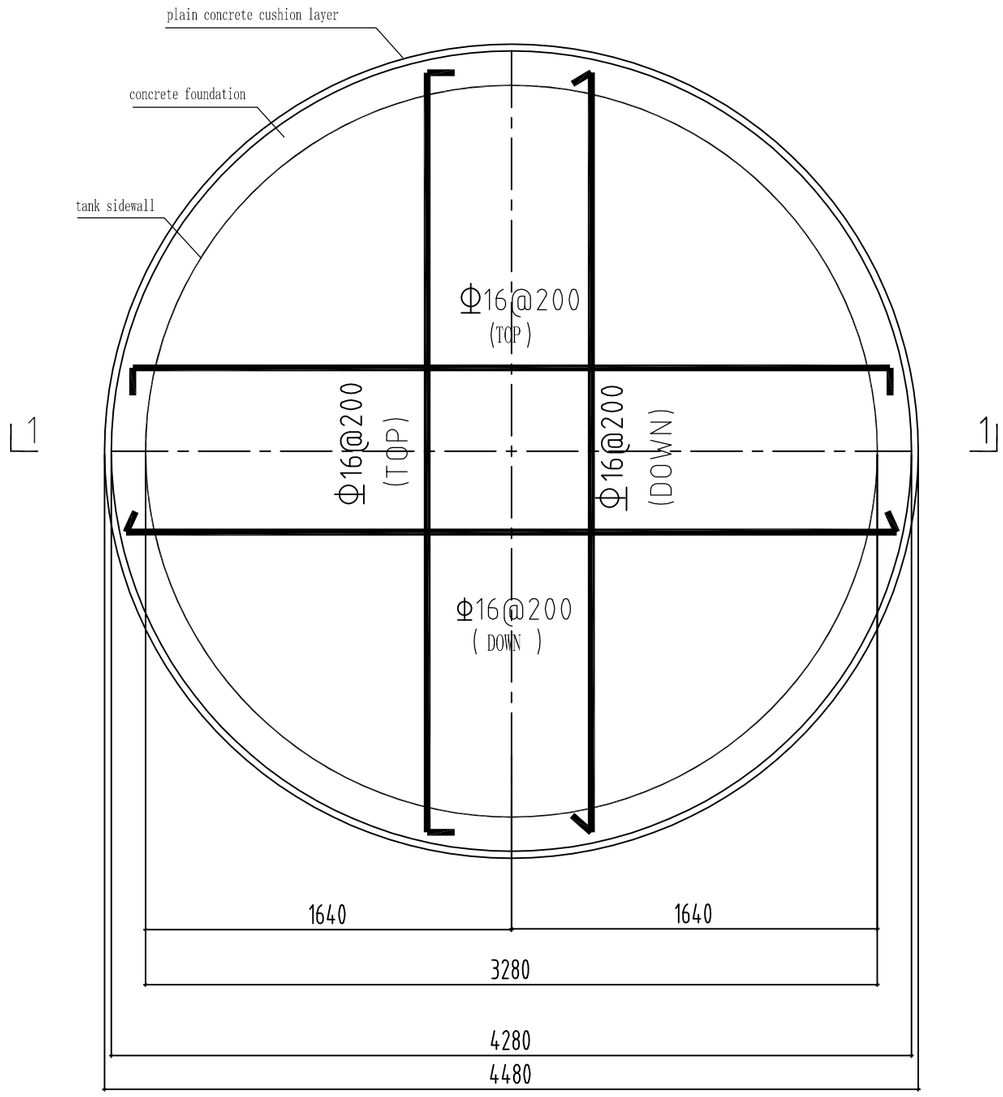
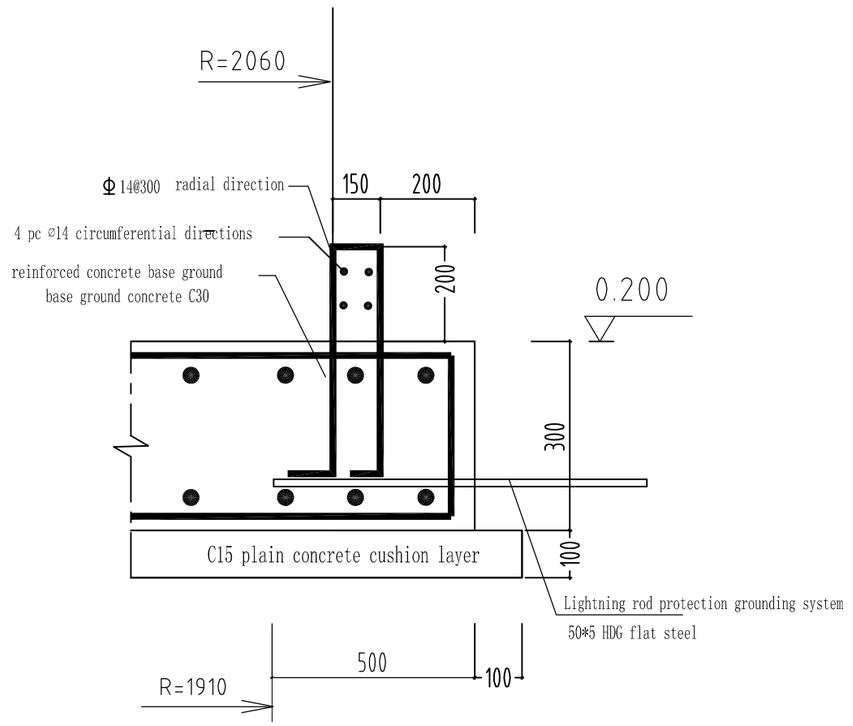


3.82x3.6M tank foundation reinforcement drawing



Foundation reinforcement section

1-1 section

Note:

1.Height showed in the drawings is relative height, based on designed ground as±0.000.

2. This tank foundation design is for tank: 3.82×3.6M.

3. No reconnaissance report provided for this foundation design, according to geological data provided by the owner, base ground lower foundation bearing capacity standard value f=60kpa. The foundation construction can only begin after relative reconnaissance department's checking and approval.

4. reinforced concrete strength class C30(mix with UEA waterproof agent 8%), impervious class P8. Cushion layer is C15 concrete.

5. rebar steel protection layer: base bottom layer is 35mm, base top layer is 30mm. Rebar connection length is 45 d.

6. The base double-layer rebar reinforcing mesh effective height must be strictly applied.

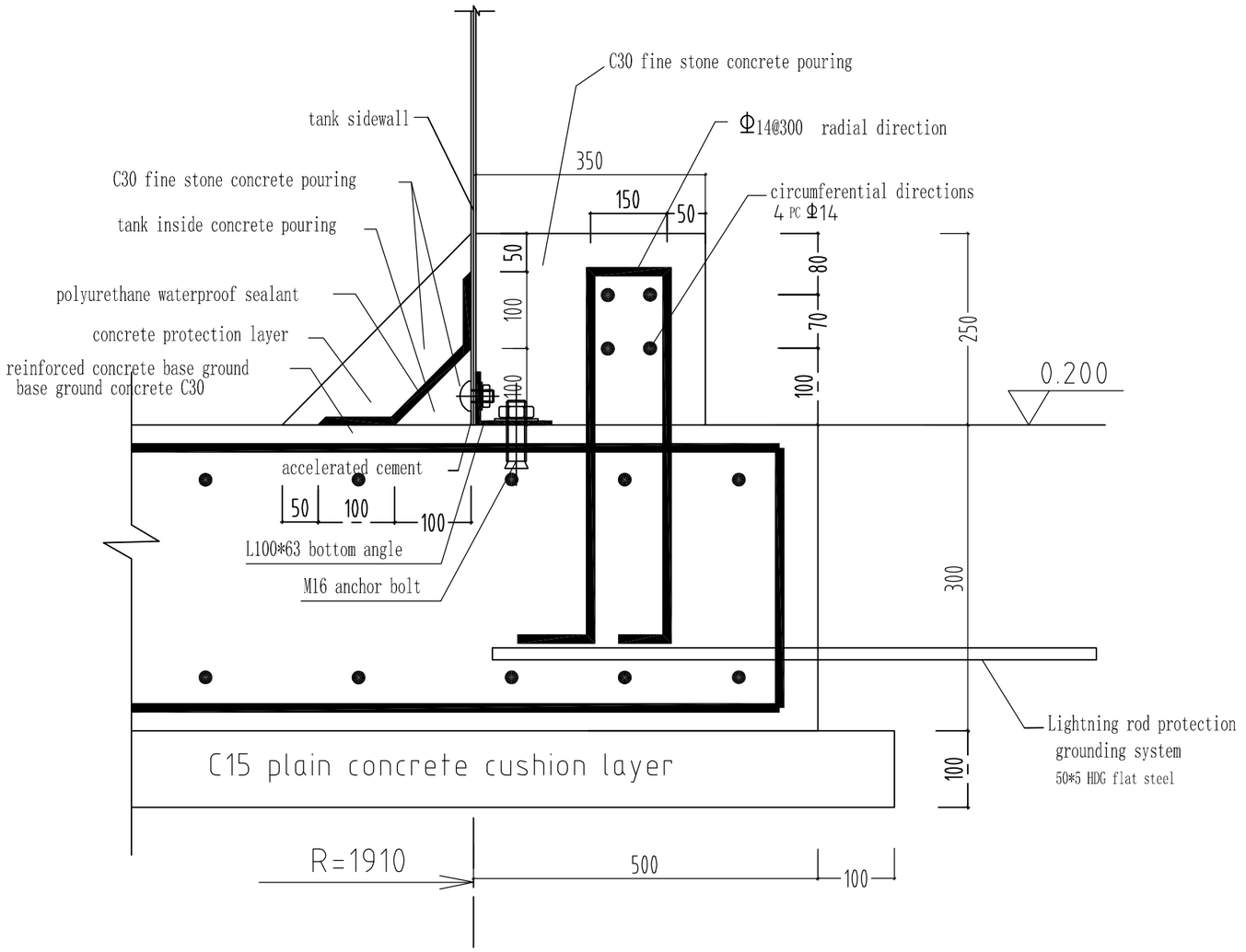
7. The procedure of pre-embedded nozzles pls refer to <S312>, must make sure the correct location and not miss any nozzles.

8.All pre-embedded accessories, steel surface must strictly rust cleaning, and apply 2 rounds of anti-rust base painting, and 2 rounds of anti-rust surface painting.

9. Rebar steel: HPB235(Ø), fy=210N/mm^2
HRB335(Φ), fy=300N/mm^2
Steel: structural steel and steel plate are Q235, welded rod E4300

10. Construction procedure: firstly is base foundation, second is concrete second pouring, finally tank inside concrete pouring and waterproof construction. (note: concrete second pouring and tank inside concrete pouring and waterproof construction are AFTER tank's erection)

石家庄正中科技有限公司 ShiJiaZhuang Zhengzhong Technology Inc.	Project Name	3.82 X 3.6 m WATER STORAGE TANK	Job.#:
			scale
		tank foundation	date
			number S-11



3.82x3.6M tank foundation and connetion

Notes:

Tank outside concrete second pouring construction details:

(1) Clean the places where will be poured, wash by water, and drain away the water.

(2) concrete second pouring is C30 crushed stone concrete, 32.5 Mpa portland cement, mix with concrete expanding agent (8% of the concrete volume), fine stone diameter should be less than 1CM, fine stone need to be screened and cleaned by water before mixing.

(3) concrete vibrating need to be compacted by vibrating tube, till concrete get into tank inside bottom, after construction's finish, the concrete inside tank need to be removed and cleaned, and pointing joint. Concrete surface should be flat (flatness should be less than 1CM), especially for where the waterproof sealant apply. Concrete surface should be firm, no unevenness, Loose, bulge, peeling, cracks, pits etc.

Waterproof construction must after tank outside concrete second pouring's finish.

(1) Accelerated cement application procedure: after 6-12 hours of tank outside concrete second pouring, base on the seam of tank sidewall and foundation, up tank sidewall 300mm, and foundation 400mm, clean this area carefully. Apply accelerated cement by hands, and make the surface even, no bulge and unevenness. This need to be done little by little, because it will be solidified within 2 minutes.

(2) Tank inside concrete pouring construction procedure: it can begin after 0.5 hour of accelerated cement's finish, concrete pouring area is 100×100mm. Concrete strength should reach C30, penetration-resistant agent volume is 8% of concrete volume, mix them, impervious grades is P8. The construction area should be cleaned before construction. Concrete surface's flatness should be less than 1CM, Concrete surface is firm, no unevenness, Loose, bulge, peeling, cracks, pits etc.

(3) Polyurethane waterproof sealant application procedure: the tank inside concrete surface moisture content should be less than 10% (surface should turn to be grey white color) before PU waterproof sealant application, at least 24 hours after the tank inside concrete pouring. Add a little water into PU sealant and mix them. Totally need 4 layers of PU sealant, horizontal 2 layers, vertical 2 layers.

(4) Waterproof protection layer construction procedure: protection layer can begin construction after 48 hours of PU sealant's application, protection layer height should be same as tank outside concrete, and keep 45 degree to ground.
Concrete strength should reach C30, penetration-resistant agent volume is 8% of concrete volume, mix them, impervious grades is P8. The construction area should be cleaned before construction. Concrete surface flatness should be less than 1CM, Concrete surface is firm, no unevenness, Loose, bulge, peeling, cracks, pits etc.

(5) Construction method should be based on the tank manufactory's instructions.

1) pay attention to protect the PU sealant layer, do not broken this waterproof sealant layer during construction.
2) The surface should be flat and even after construction.
3) Water commissioning testing should begin after 15 days of above mentioned construction.

Construction procedures:

1. Base ground foundation.
2. Tank outside concrete pouring.
3. Tan inside concrete pouring
4. PU sealant waterproof application.
5. Tank inside concrete waterproof protection layer.

石家庄正中科技有限公司 ShiJiaZhuang Zhengzhong Technology Inc.	Project Name 3.82 X 3.6 m WATER STORAGE TANK	Job.#:	
		scale	
	Waterproof Construction	date	
		number	S-12